Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

1. (Currently Amended) A spatial scalable video decoder for receiving each of a standard-resolution bitstream and a high-resolution scalable bitstream and providing a high-resolution video sequence, the decoder comprising:

an I-picture detector for receiving the standard-resolution bitstream;

a non-scalable standard-resolution Intra decoder in signal communication with the I-picture detector for non-scalably decoding standard-resolution I-pictures to provide decoded standard-resolution I-pictures;

a high-resolution video decoder for receiving the high-resolution scalable bitstream; and

a selector in signal communication with the standard-resolution Intra video decoder and the high-resolution video decoder for selecting between the outputs from the standard-resolution Intra video decoder and the high-resolution video decoder to provide the high-resolution video sequence.

2. (Original) A decoder as defined in Claim 1, further comprising an I-picture indicator in signal communication between the standard-resolution Intra decoder and the selector.

3. (Original) A decoder as defined in Claim 1, further comprising an I-picture selector in signal communication with the I-picture detector.

4. (Previously Presented) A decoder as defined in Claim 1, further comprising an upsampler in signal communication with the standard-resolution Intra decoder.

5. (Previously Presented) A decoder as defined in Claim 1, further comprising a summing unit in signal communication with the high-resolution decoder.

6. (Previously Presented) A decoder as defined in Claim 1, further comprising high-resolution frame stores in signal communication with the high-resolution decoder.

7. (Original) A decoder as defined in Claim 6 wherein the high-resolution frame stores is in signal communication with the selector for receiving the high-resolution video sequence.

8. (Currently Amended) A decoding method for providing spatial scalable decoded video data, the method comprising:

receiving a standard-resolution bitstream;

receiving a high-resolution scalable bitstream;

non-scalably Intra decoding standard-resolution I-pictures from the standard-resolution bitstream to provide decoded standard-resolution I-pictures;

up-sampling the decoded I-picture to high-resolution;

high-resolution decoding a current picture from the high-resolution scalable bitstream; and

summing the decoded current picture with the up-sampled I-picture.

9. (Original) A decoding method as defined in Claim 8, further comprising:

selecting one of the decoded current picture and the summed picture in response to an indication of the presence of an I-picture; and

outputting the selected picture in a high-resolution video sequence.